

CLAIMS

1-18. (Cancelled).

19. (Currently amended) A wireless Local Area Network system comprising:

a wireless communication server; and

one or more access points operably connected to the wireless communication server, the access points adapted to wirelessly transmit and receive data to and from remote units using a radio frequency communications such that the remote units form part of a wireless Local Area Network providing functionality in accordance with a wireless communication standard protocol, wherein the wireless communication server provides the functionality of the wireless communication standard protocol that performs centralized filtering and forwarding of data to be transmitted to the remote units, wherein the data comprises a packet including a packet source address and packet destination address;

wherein the wireless communication server includes at least one destination table relating remote units to access points with which said remote units are associated, wherein the destination table is used in conjunction with the packet destination address to forward the data to the remote units.

20. (Previously presented) The wireless Local Area Network system of Claim 19 wherein the wireless communication server is connected through conventional network elements to the access points.

21. (Previously presented) The wireless Local Area Network system of Claim 19 wherein the wireless communication server and the one or more access points are connected to an existing wired network.

22. (Previously presented) The wireless Local Area Network system of claim 21 wherein the existing wired network is an Ethernet network.

23. (Previously presented) The wireless Local Area Network system of Claim 19 wherein the wireless communication server is connected to the one or more access points through a direct cable connection.
24. (Previously presented) The wireless Local Area Network system of Claim 19 further comprising at least one additional wireless communication server.
25. (Previously presented) The wireless Local Area Network system of Claim 24, wherein said at least one additional wireless communication server provides serves for additional access points.
26. (Previously presented) The wireless Local Area Network system of Claim 19, wherein the access points transmit the radio frequency wireless signals using an unlicensed frequency band.
27. (Previously presented) The wireless Local Area Network system of Claim 19, wherein the system provides automatic association of the access points and the wireless communication server.
28. (Previously presented) The wireless Local Area Network system of Claim 19, wherein the wireless communication server filters network data based on a remote unit identification.
29. (Previously presented) The wireless Local Area Network system of Claim 19, wherein the wireless communication standard protocol is an Institute for Electrical and Electronics Engineers (IEEE) 802.11 standard protocol.